शीर्ष :- M.M.G.S.Y BRICKS - NDB

Schedule XLV-Form No. 134

Name of Scheme :- Rarha to Danarua Harala RCD Road.

Block - Dhanarua

Ag No. :- 47/SBD/2018-19

DIVISION

सहाय अभि० धनरुआ

SUB-DIVISION

संवेदक :- Mahanand Patel

Measurement Book

1015

MB No:- 1015

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Name of work -
Situation of work -
Agency by which work is executed -
Date of measurement -
No. and date of agreement.
(These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	No.	L.	B.	D.	Contents of area
Name of work:	Construction of road with				
	5 years Maintenance from				
	Rasha to Dhangrua Harala				
	RCD Road under M.D.B.				
	(Package No. MMGSY. MDB BRRP-				
	12 Masaurhi) Block. Dhoraiya				
N/Contractor: Sri Mahanand Patel					
Accepted Rate — 0.04% below					
Agreement Value —			39,23,642 = 00		
Accepted Rate —			0.04% below		
Agrt No: —		47/SBD/2018-19			
Start dt —			18.8.2018		
Int. dt of Comp —			17.8.2019		
Date of Entry —			2/06/20		
(1/1) Construction of Reference & working Bench Mark					
do — do —					
	1	0.59 KM			= 0.59 KM
(2/2) Clearing & grubbing road land — do — do					
	19	30.w	3.50 (Av)		= 1995.00 m²

Continuation

1 × 20.w × 3.50 = 70.00
= 2065.00 m²
= 0.21 Hect.

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3/15)	P/v & Fix of Typical M.M.G.S.Y Project Informatory Board.				
	Logo Informatn - 1 No				
	Citizen Informatn - 1 No				
				=	2 Nos
			02/06/20		
	Approved 2/6/20				
	Record Entry - 28/3/21				
	C.D work.				
(1/21)	E/W in excavation in foundation ...				
	(a) Single vent 1000 ∅ Pipe.				
	2x	7.15x	1.80x (AV)	1.50	= 38.63 m³
	(b) Double Vent 1000 mm ∅				
	2x	8.45 x	1.80 x (AV)	1.50	= 45.69 "
	Under Pipe.				
for Single vent -	1x	4.85 x	1.53 x	0.80	= 5.94 "
for Double "	1x	4.85 x	3.50 x	0.80	= 13.58 "
				=	~~85.64~~ m³
				=	103.76 m³

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/22) Type B (Ist class) bedding P do — do —					
Bottom –	1×	6.75	1.53×	0.15 =	1.55 m³
	1×	6.75×	3.50×	0.15 =	3.54
Sides of Pipes	2+2×	6.30×	0.30×	0.50 =	3.78
	1×	6.30×	0.30×	0.50 =	0.95
				=	9.82 m³
			Limit to –		9.15 m³
~~(3/22) P/v PCC M-15 in open foundation — do —~~					
~~H. wall –~~	~~2×~~	~~7.15 7.85~~	~~1.40×~~	~~0.15 =~~	~~3.00 m³~~
~~"~~	~~2×~~	~~8.45~~	~~1.40×~~	~~0.15 =~~	~~3.55 "~~
~~Under H.P.~~	~~1×~~	~~7.50×~~	~~1.53×~~	~~0.25 =~~	~~2.87~~
	~~1×~~	~~7.50×~~	~~3.50×~~	~~0.25 =~~	~~6.56 "~~
				~~=~~	~~15.98 m³~~
~~Less for H.P. –~~					
	~~1× 7/4×~~				
(3/23) P/v & laying PCC M-15 in foundation — do					
Single Vent –	2×	7.15 7.50×	1.40×	0.15 =	3.00 m³
Double Vent –	2×	8.45	1.40 ×	0.15 =	3.55
Under Hume Pipe					
for Single Vent	1×	4.85×	1.53×	0.25 =	1.86
for Double .	1×	4.85	3.50	0.25 =	4.25
				=	12.66 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			BF	=	12.66 m³
for deduction					
	1×π/4	×4.85	×(1.23)²	×0.15	(-) 0.88 "
	2×π/4	×4.85	×(1.23)²	×0.15	(-) 1.73 "
		Net Qty		=	10.04 m³
		Limit to		=	6.21 m³
(4/24) P/V Brick masonry work in CM (1:4) – do — do —					
	Headwalls.				
Sunshine	2×	6.80×	(1.25+0.50)/2	×2.58	= 30.70 m³
	2×	6.80×	0.40	×0.60	= 3.26
	2×	8.15×	(1.25+0.50)/2	×2.58	= 36.79
	2×	8.15×	0.40×	0.60	= 3.91
					= 74.66 m³
less for H. Pipe. –					
	2×π/4×(1.23)² × 0.85(m)				= (-) 2.02
	2×2×π/4×(1.23)² × 0.85(m)				= (-) 4.04
		Net B/W			= 68.60 m³
			Limit to		60.50 m³
(5/25) P/v & laying RCC Pipe NP3 1000 ϕ single row					
	3×	2.50	m =		7.50 m.

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Particulars	Details of actual measurement No.	L.	B.	D.	Co. of area
(6/26) P/r & lay - p RCC pipe 1000 ϕ. Double crown					
culvert	3 × 2.50 M		= 7.50 M.		
Record Entry - 30/3/21					
(1/6) Construction of sub grade & shoulder					
CH: 00 — 510 M.					
	20 ×	25.00 ×	7.50 (Av) ×	0.30	= 1125.00
	1 ×	10.00	7.50 (Av) ×	0.30	= 22.50 "
			Qty	=	1147.50 m³
(2/7). Constn. of GSB GrI CH: 500 to 590 m					
	~~1 ×~~	~~4.00~~	~~3.75 ×~~	~~0.10~~	~~= 1.50 m³~~
For profile correction	2 ×	8.00 ×	1.50 ×	0.10	= 2.40 M³
m.c.c. bus	1 ×	22.00	1.00	0.10	= 2.20 "
	4 ×	5.00 ×	1.25	0.10	= 2.50 "
	3 ×	3.00	1.70	0.10	= 1.53 "

Continuation Qty = ~~8.63 M³~~ = 10.13 M³

30/3/21 AE

MB No:- 1015

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
~~Record Entry~~					
(VI) Constn of Granular sub base (GSB. Gr I)					
1st Layer - 100 mm Thick					
CH: 00 - 507 M. (BT Road)					
	1 × 10.00	$\frac{4.80+4.05}{2}$		0.10	= 4.43 m³
	1 × 20.00	4.05		0.10	= 8.10 "
	1 × 10.00	$\frac{4.05+4.65}{2}$		0.10	= 4.35 "
	1 × 10.00	$\frac{4.05+4.65}{2}$		0.10	= 4.35 "
	4 × 30.00	4.05		0.10	= 48.60 "
	1 × 10.00	4.05		0.10	= 4.05 "
	1 × 14.00	$\frac{4.05+4.35}{2}$		0.10	= 5.88
	1 × 15.00	$\frac{4.35+4.05}{2}$		0.10	= 6.30 "
	9 × 30.00	4.05		0.10	= 109.35
	1 × 28.00	4.05		0.10	= 11.34
1st Layer	81				= 306.75 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record. Entry				
(1/7) Consn of G.S.B. Gr I					
do — do — Comp. dos					
	CH: 00 — 500 m.				
	1×	15.00 ×	5.00+4.05 / 2	× 0.20 =	13.58 m³
	1×	15.00	× 4.05	× 0.20 =	12.15 "
	1×	10.00 ×	4.05+4.65 / 2	× 0.20 =	8.70
	1×	10.00 ×	4.65+4.05 / 2	× 0.20 =	8.70
	12 ×	30.00	4.05	0.20 =	97.20
	1×	10.00	4.05	0.20 =	8.10
	1×	14.00 ×	4.05+4.50 / 2	× 0.20 =	11.97
	1×	15.00 ×	4.50+4.05 / 2	× 0.20 =	12.83
	9×	30.00	4.05	0.20 =	218.70
	1×	~~29.00~~ 27.00	4.05	0.20 =	21.87
				=	413.80 m³
(2/6) Consn of Sub. graded shoulder — do —					
	Earthen Shoulder				
Side of GSB.	2×16×	30.00 ×	1.30 ×	0.20 =	249.60 m³
"	2×1×	26.00 ×	1.30 ×	0.20 =	13.52
Side of GSB.	2×16×	30.00 ×	1.20 ×	0.075 =	86.40 "
"	2×1×	26.00 ×	1.20 ×	0.075 =	4.68 "
				=	354.20 m³
				26.7.21	
				2/8/21 A.E	

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1st A/c Bill					

Name of work: Constn & 5 year Maintenance of road from Rasho to Dhanoru Harla. R.D road under N.D.B. Scheme in Block Dhanorua

N/Contractor:- Sri Mahamood Patel.

Agr No:- 47/SBD/2018-19

Start dt - 18/8/2018.

Ext. date of Comp. 17.8.2019

Date of Entry - 9/8/21

(1) Const of Embkt - do

Calculation of Embkt Qty As per level graph & calculation sheet

CH: C/S (m2)

Chainage M	C/S M2	Mean C/S M2	Distance (M)	Volume M3
00	7.323	—	—	—
50	7.352	7.338	50	366.875
100	8.05	7.701	50	385.050
150	7.072	7.561	50	378.050
200	8.490	7.781	50	389.050
250	7.869	8.180	50	408.975
300	8.431	8.150	50	407.500

Continuation C-o.

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Particulars	No.	L.	B.	D.	Contents of area
350	8.443	8.437		50	421.850
400	8.109	8.276		50	413.800
450	8.308	8.209		50	410.425
500	8.044	8.176		50	408.800
550	1.886	4.965		50	248.250
590	1.836	1.861		40	74.440

Total Qty with Crust = 4313.065 m3

Say 4313.00 m3 (A)

Deduction of Crust

(i) Sub grade & shoulder = 1501.70

(ii) G.S.B. - - - = 413.80

(iii) W.B.M. Gr 3 -

16×30.00×3.75×0.075 = 135.00

1×26.00×3.75×0.075 = 7.31

= 2057.81 m3 (B)

Net Earth Qty = (A - B)

= 4313.00 - 2057.81

Qty. = 2255.19 m3

Less 15% Qty for water n/f slope effect - (-) 338.28

= 1916.91 m3 (C)

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(i) 30% Qty of 1919.91 m³ with lead upto 1000 M					
=	1919.91 × 30/100				= 575.97 m³ (D)
(ii) 70% Qty with lead upto 100 M					
Qty = 1919.91 × 70/30					= 1343.94 M³ (E)
			9.8.2021		
			forwarded 10/8/21 AE		
Ist. Adv. Bill.					
ABSTRACT OF COST					
(1/1) Setting out reference Pillar & working B.M					
Qty vide P/1 Ph 1/1					
=	0.59 KM				
	@ 12962.93/KM				₹ 7648.00
(1/2) Clearing & grubbing road land - do - on					

Continuation

₹ 7648.00

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126. ₹ 7648=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty vide P/4 Sl. 2/2					
= 0.21 Hect					
@ 48772=70/Hect — ₹					10242=00
3/4) Construction of Earth					
with lead up to 1000M					
Qty vide P/10, Mark (D)					
= 575.92M³					
@ 162=10/M³ — ₹					93365=00
4/5) Const of Earth with					
lead up to 100 Mtr					
Qty vide P/10, Mark (E)					
= 1343.94M³					
@ 118=85/M³ — ₹					159727=00
5/6) Const of Sub grade &					
Earthen shoulders — do					
= 1147.50M³ (P/5, Sl. 1/6)					
= 354.20M³ (P/7, Sl. 2/6)					
= 1501.70M³					
Limit to 1445.11M³					
@ 162=10/M³ — ₹					234252=00
6/7) Const of G.S.B. Gr I -					
do — do — — Do					
= 10.13M³ (P/5, Sl. 2/7)					
= 413.80M³ (P/7, Sl. 1/7)					
= 423.93M³					

Limit. 422.62M³

Continuation

@ 2228=13/M³ = — ₹ 941618=00

14,46,652=00

611

MRNO:-1015

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7/15)	P/S fixing Logo' of				
	MM. C&V Repair — do				
	Qty- vide 1/2 Ch 3/15				
	= 2 Nos				
	@ 9734=5/each			— ₹	19469=00
	C.D. work				
(8/21)	E/W in excavation for				
	foundn — do — do				
	Qty- P/2, Ch 1/21				
=	103.76 M3				
	@ 280=00/M3			— ₹	29055=00
(9/22)	Type B (Ast class) Bedding				
	do — do				
	Qty- P/3 Ch 2/22				
=	9.15 M3				
	@ 490.28/m3			— ₹	4486=00
(10/23) P/V	PCC M-15 in foundn				
	do — do — do				
	Qty P/4, Ch 3/23				
=	6.21 M3				
	@ 5494=35/m3			— ₹	34120=00
(11/24) P/V	R/M (1:4) in foundn				
	Qty P/4, Ch 4/24				
=	60.360 M3				
	@ 6036=94/m3			— ₹	364390=00

Continuation. 18,98,172=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9/25) P/r & Lay-ing RCC Pipe NP3 (1×1000mm dia)					
Qty P/4, Sl 9/25					
= 7.50 M					
@ 3256=70/M — ₹ 24426=00					
(8/26) P/r & Lay-ing RCC Pipe NP3 (2×1000mm d) -d (for Double vent)					
Qty P/5, Sl 6/26					
= 7.50 M					
@ 7204=70/M — ₹ 54035=00					
₹ 19,76,633=00					
less 0.04% As per below — ₹ 791=00					
₹ 19,75,842=00					
9.8.21					
10/8/21 A.E					
12/9/21					

Material Statement

(I) Earth Qty - - - - - 3365.02 m³
(II) Stone Metal (In GSB Gr I) - = 392.85
(III) Coarse Sand - = 119.59 ~~3365.02 m³~~
~~(IV) Stone Chips - - - 5.00 m³~~
(V) 1st cl Bricks - - - 30180 Nos.

10/8/21 A.E.
9/8/21 JE

Continuation

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